

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In Re Application of: ARIYASU et al

Appln. No. 09/617,545

Date Filed: July 14, 2000

For: HEDGEHOG PROTEIN

Art Unit: 1646

Examiner: C. Kaufman

Washington, D.C.

Atty.'s Docket: ARIYASU=1A

Date: May 13, 2002

THE COMMISSIONER OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231

Sir:

Transmitted herewith is a [X] **SUPPLEMENTAL AMENDMENT** in the above-identified application.

- [ ] Small entity status of this application under 37 CFR 1.9 and 1.27 has been established by a verified statement previously submitted
- [ ] Applicant claims small entity status. See 37 C.F.R. §1.27.
- [ ] No fee is required.

The fee has been calculated as shown below:

	(Col. 1)		(Col. 2)		(Col. 3)
	CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NO. PREVIOUSLY PAID FOR		PRESENT EXTRA EQUALS
TOTAL	* 13	MINUS	** 20		0
INDEP.	* 45	MINUS	*** 84		1
FIRST PRESENTATION OF MULTIPLE DEP. CLAIM					

SMALL ENTITY	
RATE	ADDITIONAL FEE
x 9	\$
x 42	\$
+ 140	\$
ADDITIONAL FEE TOTAL	
	\$

OTHER THAN SMALL ENTITY	
RATE	ADDITIONAL FEE
x 18	\$
x 84	\$ 84.00
+ 280	\$
TOTAL	
	\$ 84.00

- \* If the entry in Col. 1 is less than the entry in Col. 2, write "0" in Col. 3.
- \*\* If the "Highest Number Previously Paid for" IN THIS SPACE is less than 20, write "20" in this space.
- \*\*\* If the "Highest Number Previously Paid for" IN THIS SPACE is less than 3, write "3" in this space.

The "Highest Number Previously Paid For" (total or independent) is the highest number found from the equivalent box in Col. 1 of a prior amendment of the number of claims originally filed.

[XX] Conditional Petition for Extension of Time

If any extension of time for a response is required, applicant requests that this be considered a petition therefor.

- [ ] It is hereby petitioned for an extension of time in accordance with 37 CFR 1.136(a). The appropriate fee required by 37 CFR 1.17 is calculated as shown below:

Small Entity  
Response Filed Within

[ ] First - \$ 55.00

[ ] Second - \$ 200.00

[ ] Third - \$ 460.00

[ ] Fourth - \$ 720.00

Month After Time Period Set

Other Than Small Entity  
Response Filed Within

[ ] First - \$ 110.00

[ ] Second - \$ 400.00

[ ] Third - \$ 920.00

[ ] Fourth - \$ 1440.00

Month After Time Period Set

- [ ] Less fees (\$ ) already paid for \_\_\_ month(s) extension of time on \_\_\_\_\_.

[XX] Credit Card Payment Form, PTO-2038, is attached, authorizing payment in the amount of \$84.00.

[XX] The Commissioner is hereby authorized and requested to charge any additional fees which may be required in connection with this application or credit any overpayment to Deposit Account No. 02-4035. This authorization and request is not limited to payment of all fees associated with this communication, including any Extension of Time fee, not covered by check or specific authorization, but is also intended to include all fees for the presentation of extra claims under 37 CFR §1.16 and all patent processing fees under 37 CFR §1.17 throughout the prosecution of the case. This blanket authorization does not include patent issue fees under 37 CFR §1.18.

BROWDY AND NEIMARK

Attorneys for Applicant(s)

Facsimile: (202) 737-3528  
Telephone: (202) 628-5197

By: \_\_\_\_\_  
Sheridan Neimark  
Registration No. 20,520

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

ATTY.'S DOCKET: ARIYASU=1A

In re Application of:	)	Art Unit: 1646
Toshio ARIYASU et al	)	Examiner: C. Kaufman
Appln. No.: 09/617,545	)	Washington, D.C.
Date Filed: July 14, 2000	)	May 13, 2002
For: HEDGEHOG PROTEIN	)	

11/15

SUPPLEMENTAL AMENDMENT

Honorable Commissioner for Patents  
Washington, D.C. 20231

Sir:

Supplementing the Amendment filed May 9, 2002,  
please further amend as follows:

IN THE CLAIMS

✓ Delete claim 1 in favor of the remaining claims.

Please amend the claims by rewriting claims 2-5,  
each previously amended, and claim 17, as follows (attached  
hereto is a marked-up version of the changes made to the  
claims by the current amendment. The attached version is  
captioned "Version with Markings to Show Changes Made"):

2. (Twice Amended) An isolated DNA which encodes a  
desert hedgehog protein of human origin, and which contains

21 Just 4